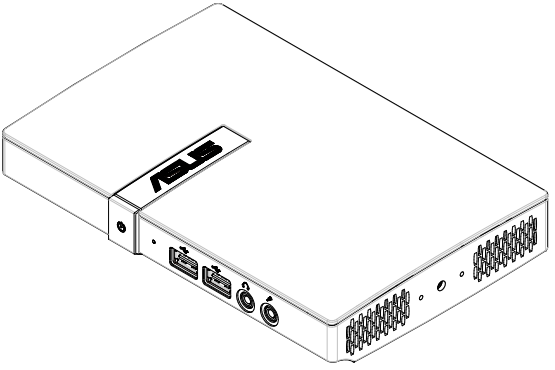
CPX20 Series
Zero Client BOX

User Guide



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Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

Warning: This zero client complies with the EMC directive only when you use a shielded Ethernet cable.

Safety information

Use only the AC/DC adapter model: AD891M21010ALF&AD891M21210ALF

- Before setting up the box, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the zero client to rain or moisture.
- Never try to open the zero client cabinet. The dangerous high voltages inside the zero client may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The zero client should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the zero client in any area where it may become wet. Place the zero client on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the zero client from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the zero client cabinet.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- If you encounter technical problems with the zero client , contact a qualified service technician or your retailer.

Care and cleaning

- Before you lift or reposition your zero client , it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the zero client . When lifting or carrying the zero client , grasp the edges of the zero client . Do not lift the zero client by the stand or the cord.
- Cleaning. Turn your zero client off and unplug the power cord. Clean the zero client surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the screen. Never spray cleaner directly on the screen, as it may drip inside the zero client and cause an electric shock.

The following symptoms are normal with the zero client :

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the power switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is displayed for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the power switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it. Do not try to repair the zero client by yourself!

Conventions used in this guide

WARNING: Information to prevent injury to yourself when trying to complete a task.

CAUTION: Information to prevent damage to the components when trying to complete a task.

IMPORTANT: Information that you MUST follow to complete a task.

NOTE: Tips and additional information to aid in completing a task.

Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. **ASUS websites**

   The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to http://www.asus.com

2. **Optional documentation**

   Your product package may include optional documentation that may have been added by your dealer. These documents are not part of the standard package.

1.1 Welcome

Thank you for purchasing the ASUS® zero client box .

The latest zero client box from ASUS delivers you a seamless desktop and viewing experiences.

Please enjoy the convenient and delightful experience that the zero client brings to you!

1.2 Package contents

Check your package for the following items:

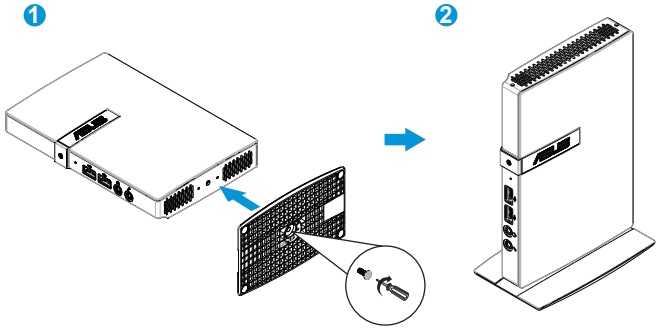
- ✓ Box set
- ✓ Wall mount
- ✓ Base and screw
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Adapter
- ✓ DVI Cable

- If any of the above items is damaged or missing, contact your retailer immediately..

1.3 Assembling the zero client box

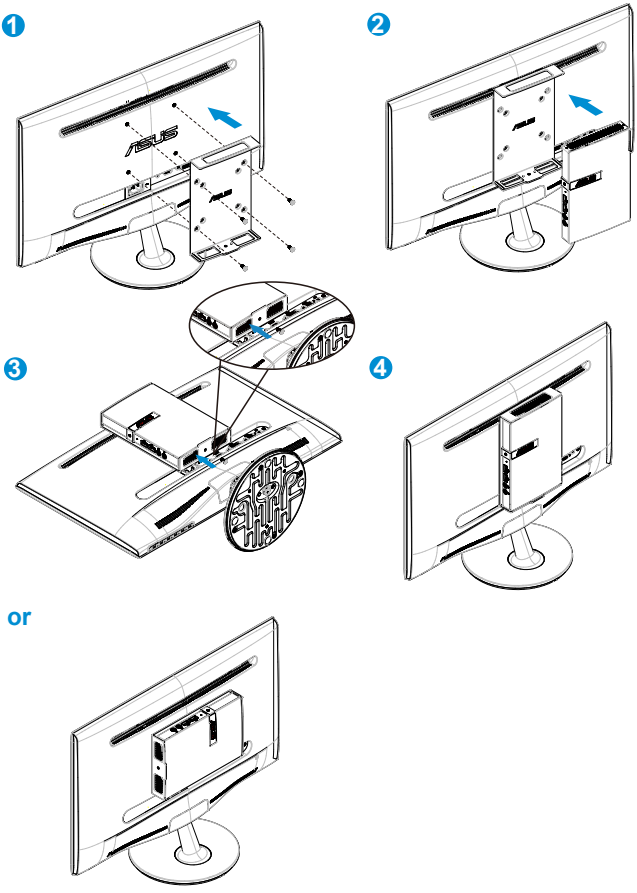
1. Use Base Assembly

- Attach the base to the box and fix with the screw to join them tightly. You can easily tighten the screw by screw driver.



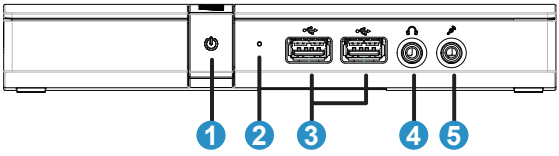
2. Use Wall mount Assembly

- Attach the wall mount to the back of display and fix with the screw to join them the tightly.
- Snap the box into the wall mount (You can use 100x100mm or 75x75mm two modes to lock it).


1
2
3
4
or

1.4 Zero client introduction

1.4.1 Front of the box

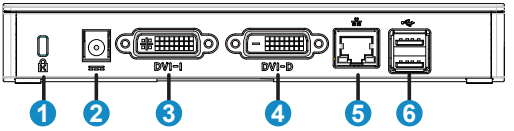


1. Power Indicator:
   - The color of power indicator is as below.
2. Client Link LED Indicator:
   - The color of client link LED Indicator is as below.

	Status	description
LED1	White	Client power on
LED1	Orange	Power Off and Wake On Lan/ Wake On USB
LED2	Green	Link to virtual desktop

3. USB connector
4. Earphone-out
5. Microphone input

1.4.2 Rear of the box



1. Kensington lock
2. Power-in jack
3. DVI-I
4. DVI-D
5. RJ45
6. USB connector

1.4.3 Get start with client system

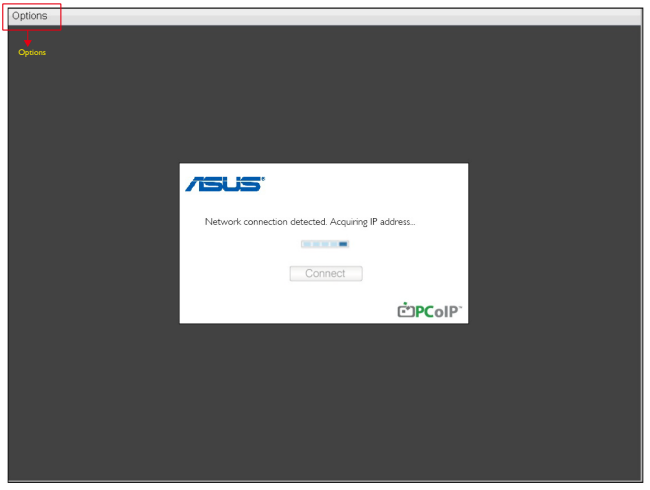
Key	Description
Power	Press this button to turn on/off the zero client box
Link(LED2)	Link to server

1.4.4 Client Indicator Behavior

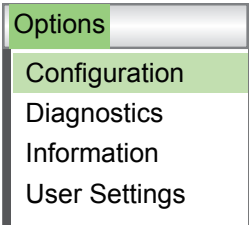
Status	POWER	LINK
Power On	White	Off
Power Off	Off	Off
Power On and Link to Virtual Desktop	White	Green
Power Off and Wake On Lan	Orange	Off
Power Off and Wake On USB	Orange	Off
Power On to Power Off and Wake On USB	White (Blink 12s then off)/ Orange(always on)	Green(on for 12s then off)

2.1 Client setting

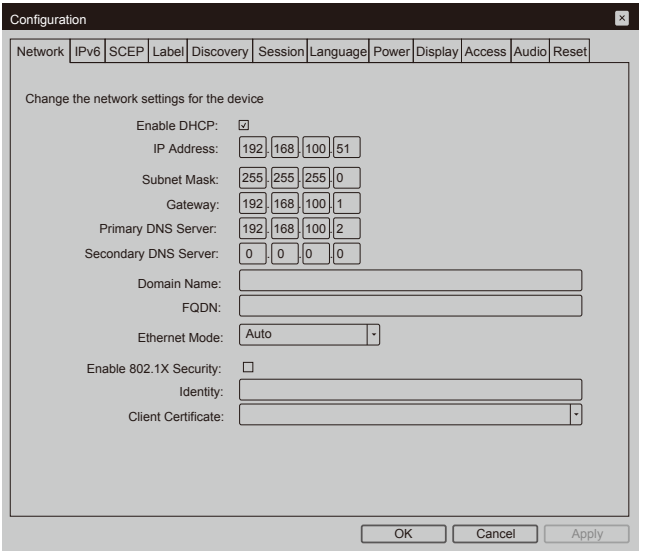
1. Turn on power
2. Login Client widget, click “[Options]“ on top left corner.



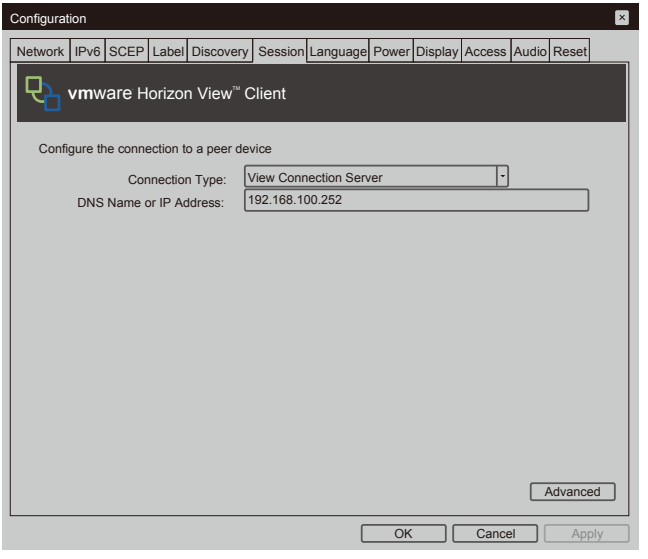
3. Select “[Options]” --> “[Configuration]”.



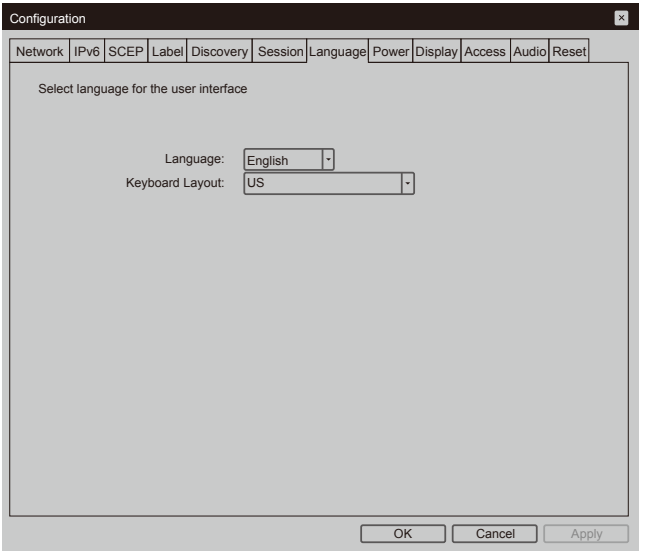
4. Enter “[Configuration]” --> [Network],and select “Enable DHCP”.



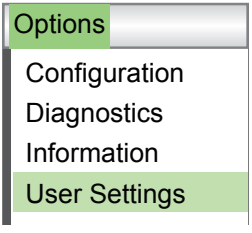
5. Select [Session] sheet and enter “DNS Name or IP Address”, then click “Apply” to execute.



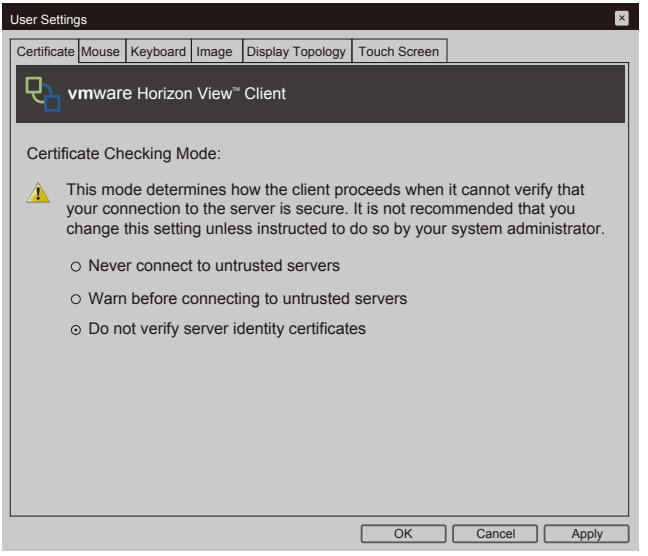
6. Select [Language] sheet ,and choice requisite language, then click “Apply” to execute.



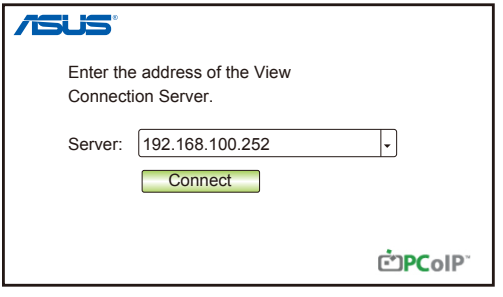
7. Select [OK] to finish [Configuration].
8. Return to main manual, select [Options] on top left corner and go to [User settings].



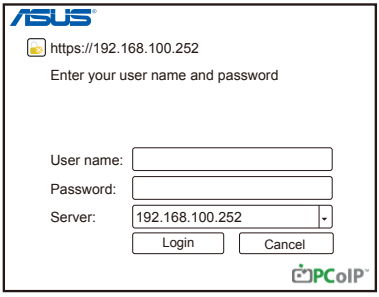
9. Select [Certificate] sheet, choice item and setting, then click [OK].



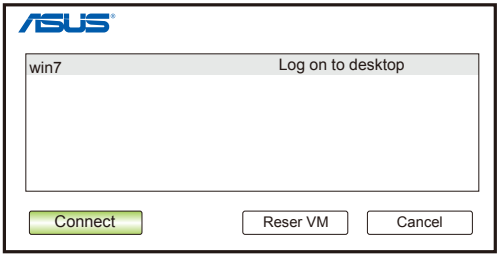
10. Link to server IP and enter connection interface, Click [Connect].



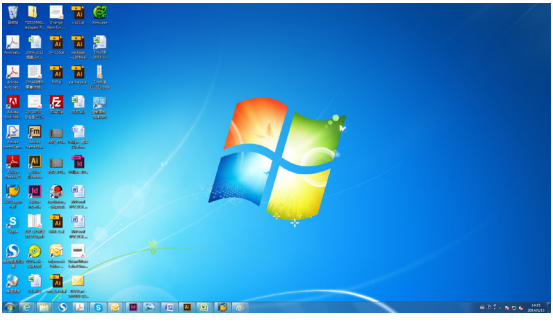
11. Enter “User name” and “password”, then click [Login].



12. Click [Connect].



13. Enter client interface.



14. Select desktop “Start”, choice “Logout” to exit client.

3.1 Specifications

Model		CPX20
Max. Resolution	Single	1920 x 1200/60
	Dual	2560 x 1600/60
Power ON Consumption		ON Mode: <20 W
Mic phone		Yes
Earphone		Yes
Power off		< 0.8 W
Power off and wake on LAN		< 2.5 W
Power off and wake on USB		< 1.0 W
Mounting Interface		100mm x 100mm & 75mm x 75mm
Phys. Dimension (WxHxD)		135 x 204.8 x 84 mm
Box Dimension (WxHxD)		195.6 x 31.2 x 130.5 mm
Net Weight (Esti.)		0.6 kg
Gross Weight (Esti.)		1.2 kg
Voltage Rating		AC 100~240V(External)

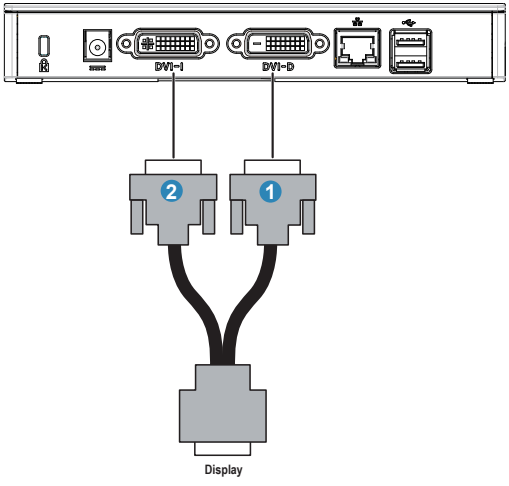
3.2 Trouble shooting (FAQ)

Problem	Possible Solution
Power LED is not ON	• Press the ⏻ button to check if the box is in the ON mode. • Check if the power cord is properly connected to the box and the power outlet.

3.3 Supported Timing List

Resolution	Refresh Rate
2560 x 1600	60Hz
2048 x 1152	60Hz
1920 x 1440	60Hz
1920 x 1200	60Hz
1920 x 1080	60Hz
1856 x 1392	56Hz
1792 x 1344	60Hz
1680 x 1050	60Hz
1600 x 1200	60Hz
1600 x 900	60Hz
1440 x 900	60Hz
1400 x 1050	60Hz
1366 x 768	60Hz
1360 x 768	60Hz
1280 x 1024	60Hz
1280 x 960	60Hz
1280 x 800	60Hz
1280 x 768	60Hz
1280 x 720	60Hz
1024 x 768	60Hz
848 x 480	60Hz
800x 600	60Hz
640 x 480	60Hz

*** Any displays attached to the client will be set to the native resolution of 1024 x 768 when this option is enabled.**



***CPX20 DVI dual-display PCoIP zero client: This zero client supports one 2560x1600 / 1920x1440 / 1856x1392 / 1792x1344 monitor. Connect the two DVI-D cable connectors on a custom dual-link DVI-I cable adapter to the two DVI-D ports on the zero client, as shown in the above Illustration.**